

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG _____ ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPECTED SUB REPORT abd

DATE FILED 11-6-84

LAND FEE & PATENTED ☒ STATE LEASE NO

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED. 11-11-84 - OIL (Cause No. 131-14)

SPUDDED IN

COMPLETED: PUT TO PRODUCING.

INITIAL PRODUCTION

GRAVITY API

GOR

PRODUCING ZONES

TOTAL DEPTH

WELL ELEVATION

DATE ABANDONED 1

FIELD

UNIT

COUNTY:

UINTAH

WELL NO

ZELMA 1-36Z1

API #43-047-31574

LOCATION

1350' FSL

FT. FROM (N) (S) LINE.

1320' FWL

FT. FROM (E) (W) LINE.

NW SW

1.4 — 1.4 SEC. 36

TWP

RGE

SEC

OPERATOR

TWP

RGF

SFC

OPERATOR

1N

1W

36

WESTERN ALLIANCE PET.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☒Gas Well ☒Other ☐Single Zone ☒Multiple Zone ☒

2. Name of Operator

Western Alliance Petroleum Corporation

3. Address of Operator

P O Box 1628, Roosevelt, Utah 84066

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface 1320' FWL & 1350' FSL NW $\frac{1}{4}$ SW $\frac{1}{4}$

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office*

2 miles SW of Whiterocks, Utah

15. Distance from proposed*

location to nearest property or lease line, ft. (Also to nearest drg. line, if any) 1320'

16. No. of acres in lease

640

17. No. of acres assigned to this well

640

18. Distance from proposed location*

to nearest well, drilling, completed or applied for, on this lease, ft. None

19. Proposed depth

13,500

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

5835 ungraded ground

22. Approx. date work will start*

November 1984

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
30"	20"		40'	200 CF
12 $\frac{1}{2}$ "	9-5/8"	36	2500'	400 CF
8-3/4"	7"	26,29,32	12,000'	750 CF
6"	5"	18	11,500 - 13,500	700 CF

This well is proposed to test the Wasatch Formation. No well has previously been drilled in this section.

Surface damages will be settled with the surface owner.

The well is to be drilled from surface to TD with fresh water and/or fresh gell mud. The mud system is to be weighted, as necessary, with barite, to control pressure.

BOPE will be installed after setting the surface pipe, and used in accordance with the attached diagram.

Surveyor's plat and BOPE diagram is attached. Water will be furnished by the landowner, and an application for the change in water rights will be filed with the State Engineer and a copy to your office. Water Applications will be filed by Western Alliance Petroleum Corporation.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed Kenneth F. YoungTitle Manager Field OperationsDate 11-5-84

(This space for Federal or State office use)

Permit No. _____

Approval Date

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

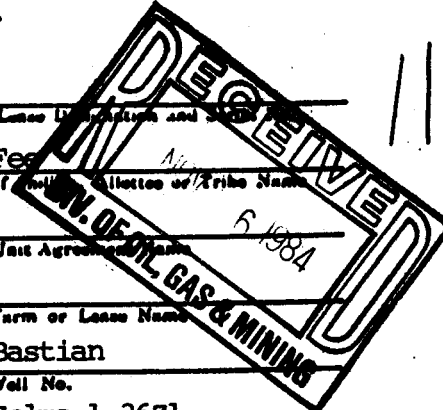
Approved by _____

Title _____

Conditions of approval, if any:

DATE: 11/11/84BY: John R. Dyer

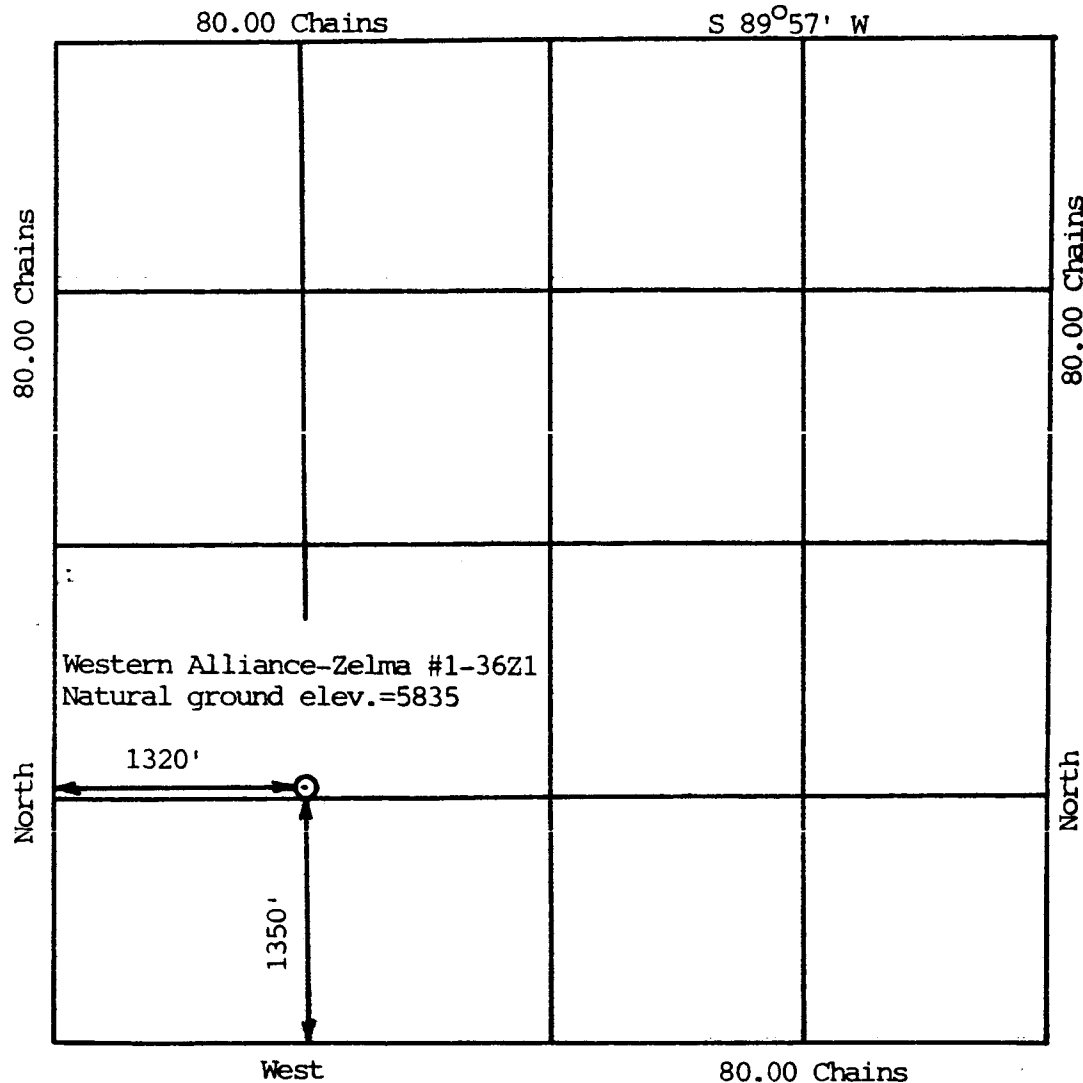
*See Instructions On Reverse Side



SECTION 36
TOWNSHIP 1 NORTH, RANGE 1 WEST
UINTAH SPECIAL BASE AND MERIDIAN
UINTAH COUNTY, UTAH

WESTERN ALLIANCE PETROLEUM CO.

WELL LOCATION: N.E. $\frac{1}{4}$, S.W. $\frac{1}{4}$



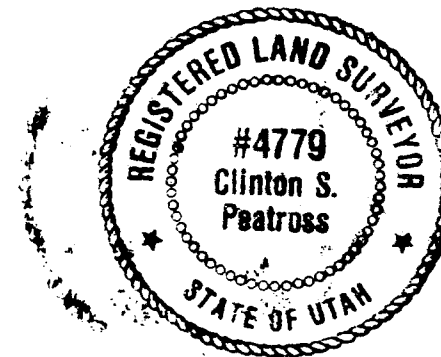
SCALE 1"=1000'

SURVEYOR'S CERTIFICATE

I, Clinton S. Peatross, Duchesne, Utah, do hereby certify that I am a Registered Land Surveyor, and that I hold License No. 4779, as prescribed by the laws of the state of Utah, and that I have made a survey of the oil well location, as shown on this plat.

11/2/84
Date

Clinton S. Peatross
Clinton S. Peatross
License No. 4779 (Utah)



Section data obtained from G.L.O. plat.
Job #259

WELL PROGNOSIS

1. Surface Formation: Duchesne River Formation

2. Estimated Formation Tops:

Uinta	3,295
Green River Formation	5,410
Wasatch Formation	10,210

3. Expected Mineral Bearing Depths:

Fresh Water	Surface to 500'
Saline Water	500' to TD
Oil & Gas	7000' to TD

4. Casing Program:

All casing is to be new.

<u>Depth</u>	<u>Bit</u>	<u>Casing</u>	<u>Weight</u>	<u>Grade</u>	<u>Cement</u>
Surf - 40'	30"	20"	Line Pipe		Cement to Surface
Surf - 2500'	12½	9-5/8	36#	K55	400 CF
Surf - 9,000	8-3/4	7"	26,29,32#	N80	750 CF
8,500 - 13,500	6"	5"	18#	S95	750 CF

5. Pressure Control - See attached diagram:

Minimum 3000 PSI Double rams to be installed after setting Surface Pipe.

5000 PSI Double rams with Spherical BOP to be installed after setting 7", Long String.

6. Drilling Mud:

Well to be drilled to 6500' with fresh water. Fresh gel mud, weighted with barite, as required, will be used from 6500' to TD. A minimum of 200 bbls of mud will be maintained in the mud tanks during normal operations. After setting the Long String, a minimum of 1000 sacks of barite will be on location.

7. Auxillary Equipment:

(1) Top and bottom kelly cocks, (2) PVT equipment, and (3) stabbing valve will be maintained on the drilling floor, after reaching the top of the Wasatch Fm. A Choke manifold, with automatic choke, and a gas buster will also be available, when drilling overpressured intervals.

8. Formation Evaluation:

No cores or DST's are anticipated.

DIL-GR logs will be run from the Surface Pipe to TD. CNL-FDC and mud logs will be run from 5,000' to TD.

9. Drilling Hazards:

Overpressured intervals are expected in the lower Wasatch Fm. Pressure control equipment, weighted muds, and mud monitoring, previously outlined, will be adequate to maintain control of the well.

No other drilling Hazards are anticipated.

10. Timing:

The anticipated spud date is November 20, 1984

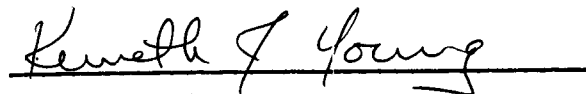
Estimated drilling time is 70 days.

The completion will take another 15 days.

11. Water:

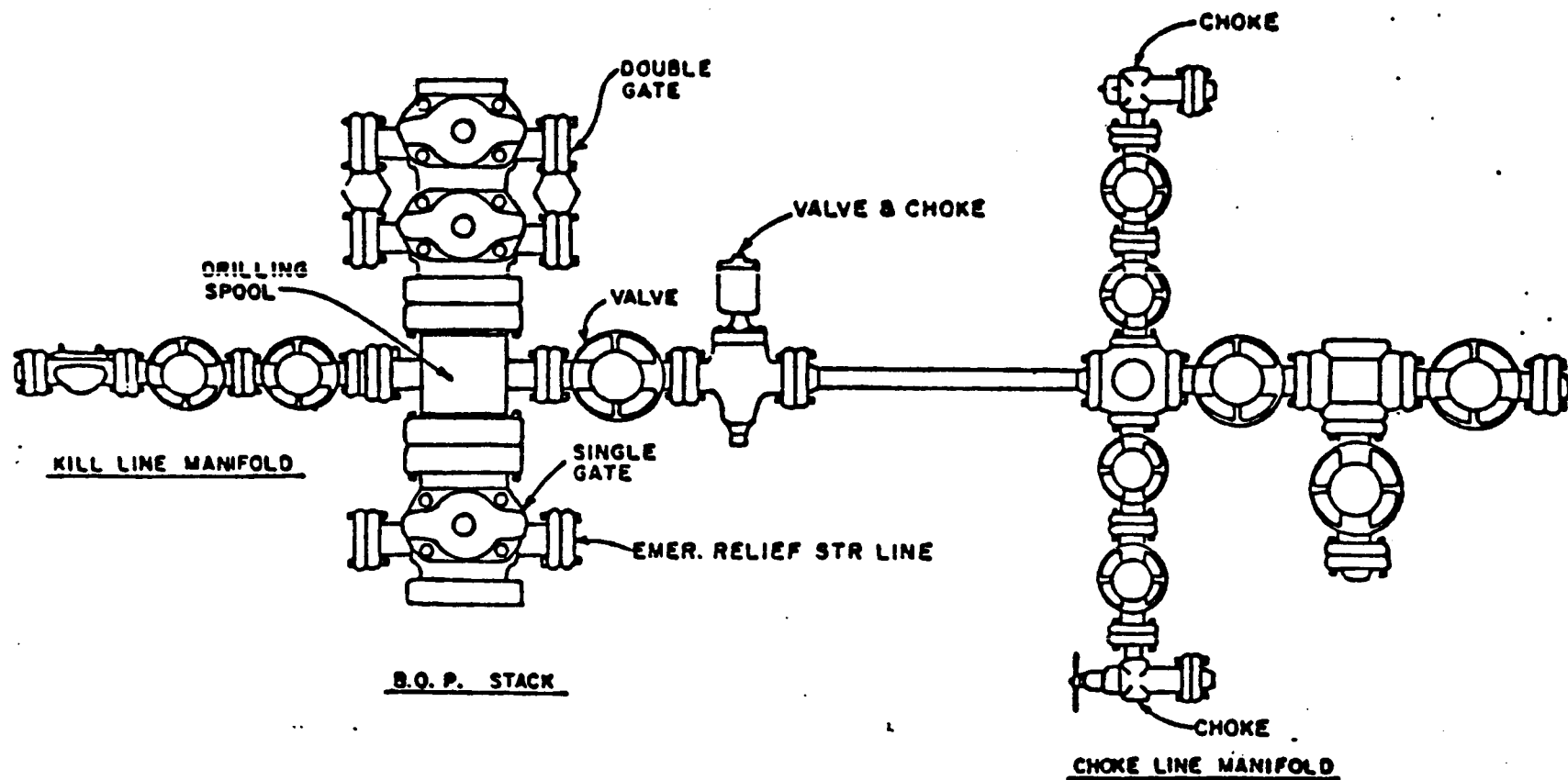
Water application to State of Utah for use of water from Uintah River

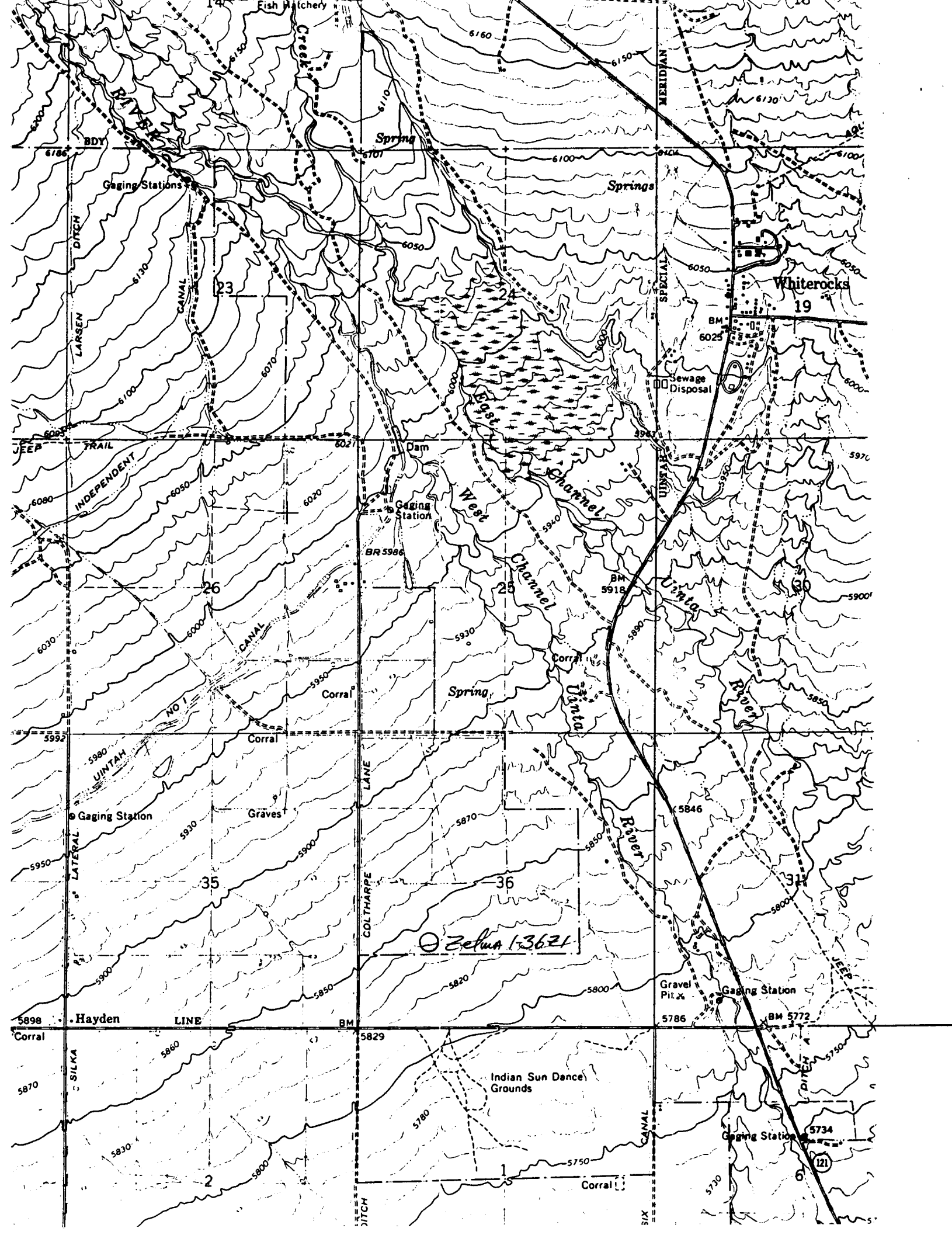
November 5, 1984



Kenneth J. Young
Geologist

BLOWOUT PREVENTOR





OPERATOR Western Alliance DATE 11-9-84
WELL NAME Zelma 1-3621
SEC NW SW 36 T 1N R 1W COUNTY Montal

43-047-31574
API NUMBER

Free
TYPE OF LEASE

CHECK OFF:



PLAT



BOND



NEAREST WELL



LEASE



FIELD



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well in Sec. 36

Need water permit

APPROVAL LETTER:

SPACING:



A-3

UNIT



c-3-a

131-14 8/11/71
CAUSE NO. & DATE



c-3-b



c-3-c

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 11, 1984

Western Alliance Petroleum Corporation
P.O. Box 1628
Roosevelt, Utah 84066

Gentlemen:

Re: Well No. Zelma 1-36Z1 - NWSW Sec. 36, T. 1N, R. 1W
1350' FSL, 1350' FWL, Uintah County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Order of Cause No. 131-14 dated August 11, 1971 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

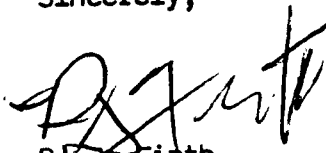
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Western Alliance Petroleum
Well No. Zelma 1-36Z1
November 11, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31574.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. J. Firth", is written over the typed name.

R. J. Firth
Associate Director, Oil & Gas

gl
Enclosures
cc: Branch of Fluid Minerals



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 2, 1986

Western Alliance Petroleum Corporation
P.O. Box 1628
Roosevelt, Utah 84066

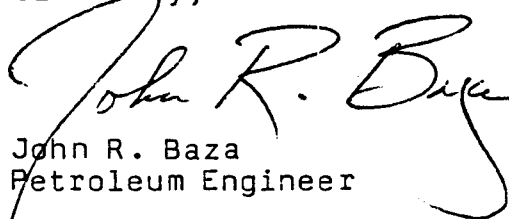
Gentlemen:

Re: Well No. Zelma 1-36Z1 - Sec. 36, T 1N, R 1W
Uintah County, Utah - API # 43-047-31574

Due to excessive time delay in commencing drilling operations approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice. If any operations have been performed on this well location it is imperative that you notify this division immediately.

A new "Application for Permit to Drill" must be filed with this office for approval, prior to future drilling of the subject location.

Sincerely,



John R. Baza
Petroleum Engineer

cc: Dianne R. Nielson
Ronald J. Firth
File

0320/19